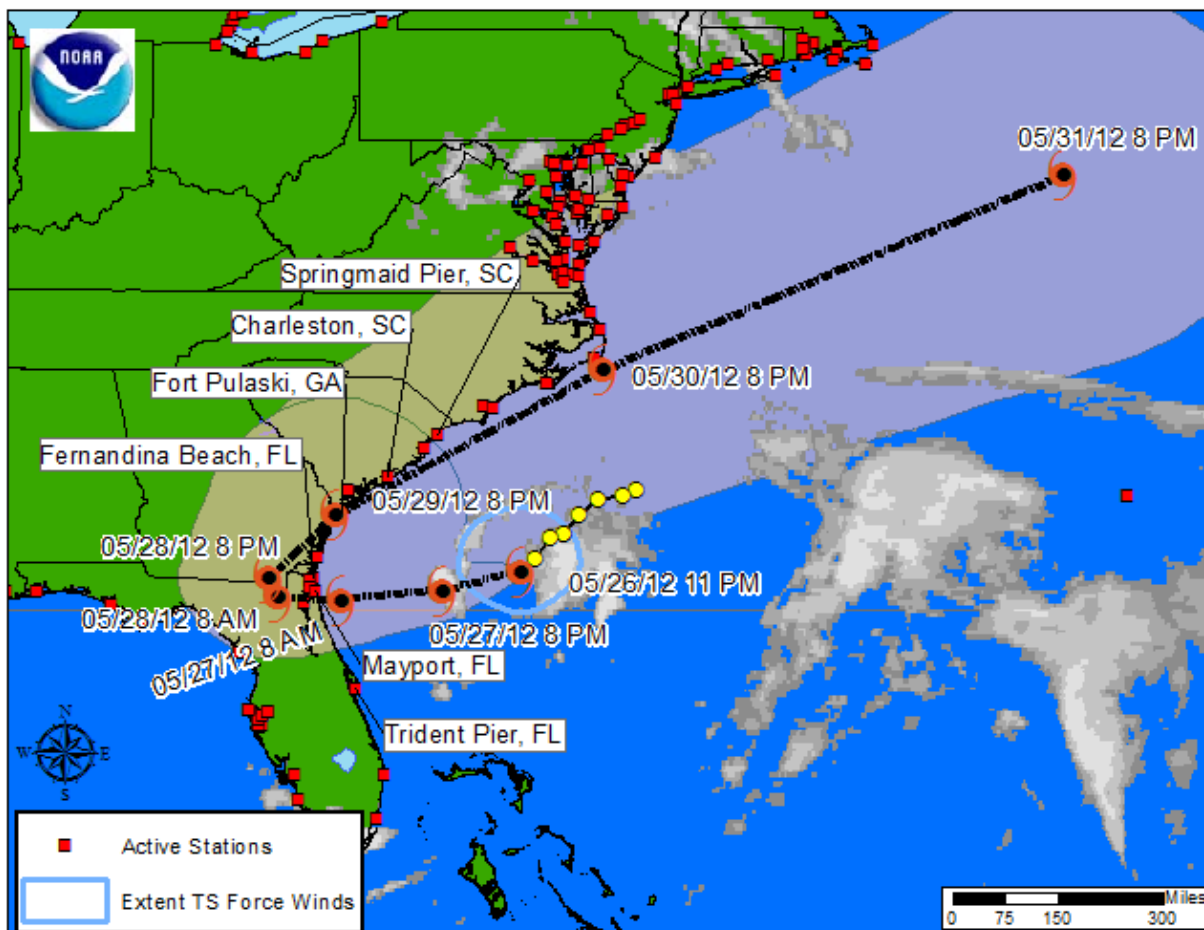




Subtropical Storm BERYL QuickLook
Posted: 00:00 EDT 05/27/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/27/2012 00:00 EDT, water levels from South Carolina to central Florida are rising and range between 0.9 and 1.3 feet above predictions. Winds are increased, with gusts up to 22 knots being observed in South Carolina. Barometric pressure started to gradually fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Springmaid Pier, SC: Next predicted high tides are 5.1 ft (1.55 m) at 05/27/2012 00:06 EDT and 4.5 ft (1.38 m) at 05/27/2012 12:55 EDT.

Charleston, SC: Next predicted high tides are 5.5 ft (1.67 m) at 05/27/2012 00:25 EDT and 4.7 ft (1.45 m) at 05/27/2012 13:08 EDT.

Subtropical Storm BERYL QuickLook, POSTED 00:00 EDT 05/27/2012

Fort Pulaski, GA: Next predicted high tides are 7.0 ft (2.14 m) at 05/27/2012 00:46 EDT and 6.3 ft (1.93 m) at 05/27/2012 13:24 EDT.

Fernandina Beach, FL: Next predicted high tides are 6.1 ft (1.85 m) at 05/27/2012 01:32 EDT and 5.5 ft (1.69 m) at 05/27/2012 14:05 EDT.

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 4.7 ft (1.43 m) at 05/27/2012 01:14 EDT and 4.2 ft (1.31 m) at 05/27/2012 13:49 EDT.

Trident Pier, FL: Next predicted high tides are 3.5 ft (1.07 m) at 05/27/2012 00:33 EDT and 2.9 ft (0.90 m) at 05/27/2012 13:06 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst:KG

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

SUBTROPICAL STORM BERYL ADVISORY NUMBER 5
1100 PM EDT SAT MAY 26 2012

...BERYL MOVING SOUTHWESTWARD WITH LITTLE CHANGE IN STRENGTH...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH FOR THE SOUTH CAROLINA COAST NORTH OF EDISTO BEACH HAS BEEN DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* VOLUSIA/BREVARD COUNTY LINE FLORIDA TO EDISTO BEACH SOUTH CAROLINA

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM EDT THE CENTER OF SUBTROPICAL STORM BERYL WAS LOCATED NEAR LATITUDE 30.8 NORTH...LONGITUDE 77.2 WEST. THE STORM IS MOVING TOWARD THE SOUTHWEST NEAR 7 MPH. THIS GENERAL MOTION IS EXPECTED TO CONTINUE TONIGHT WITH A TURN TOWARD THE WEST FORECAST ON

SUNDAY. ON THE FORECAST TRACK...THE CENTER OF BERYL IS EXPECTED TO APPROACH THE SOUTHEASTERN COAST OF THE UNITED STATES ON SUNDAY...AND THEN MAKE LANDFALL SUNDAY NIGHT OR MONDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS EXPECTED BEFORE LANDFALL...WITH WEAKENING EXPECTED AFTER LANDFALL.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 90 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 998 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE COAST WITHIN THE WARNING AREA FROM NORTHEASTERN FLORIDA TO SOUTH CAROLINA ON SUNDAY.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

COASTAL PORTIONS OF SOUTH CAROLINA... GEORGIA...AND NORTH FLORIDA...
1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST NEAR AND TO THE NORTH OF THE LANDFALL LOCATION...WHERE THE SURGE WILL BE ACCOMPANIED BY LARGE WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

SURF...DANGEROUS SURF CONDITIONS ARE EXPECTED ALONG THE COAST FROM NORTHEASTERN FLORIDA TO NORTH CAROLINA OVER THE REMAINDER OF THE MEMORIAL DAY WEEKEND. PLEASE SEE STATEMENTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE FOR INFORMATION SPECIFIC TO YOUR AREA.

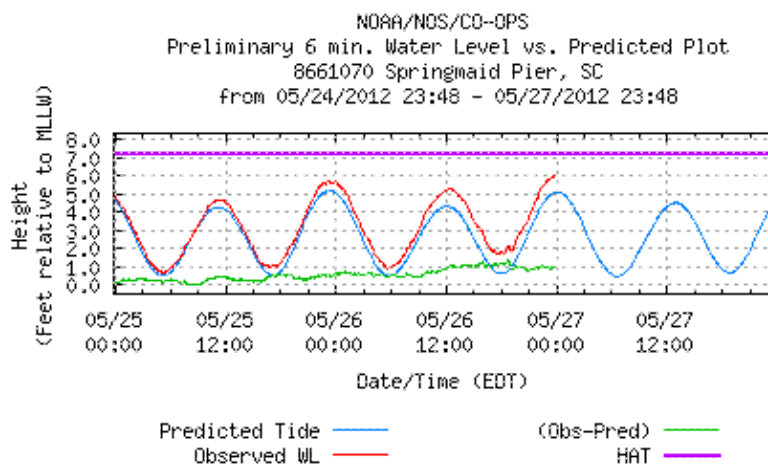
RAINFALL...BERYL IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 3 TO 6 INCHES ALONG THE SOUTHEASTERN COAST OF THE UNITED STATES FROM NORTHERN FLORIDA THROUGH SOUTHEASTERN NORTH CAROLINA.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#),

[Springmaid Pier, SC - Return to List](#)

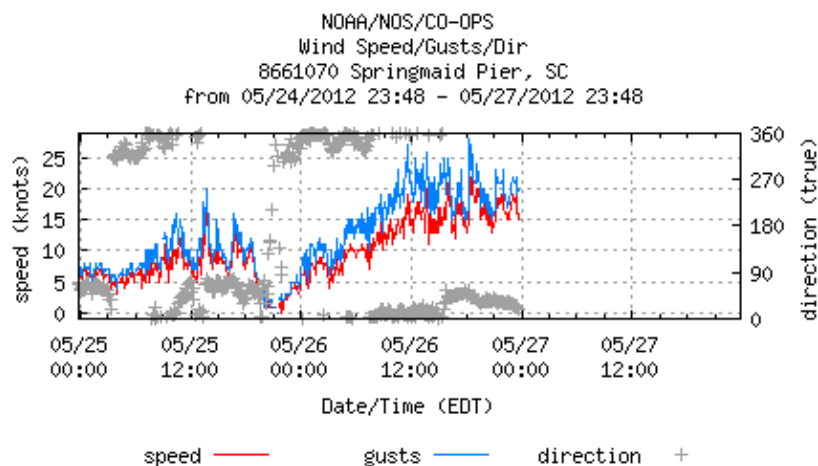


Last Observed Sample: 05/26/2012 23:42 (EDT)

Relative to MLLW: **Observed: 5.97 ft.** **Predicted: 5.03 ft.** **Residual: 0.94 ft.**

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

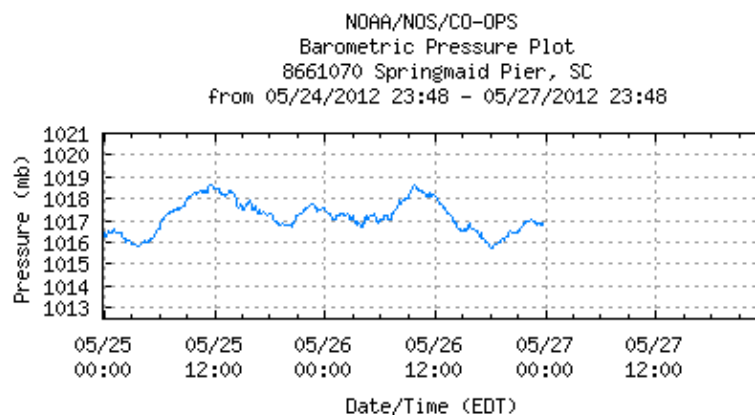
[Springmaid Pier, SC - Return to List](#)



Last Observed Sample: 05/26/2012 23:42 (EDT)

Wind Speed: 15 knots **Gusts: 20 knots** **Direction: 17° T**

Springmaid Pier, SC - Return to List

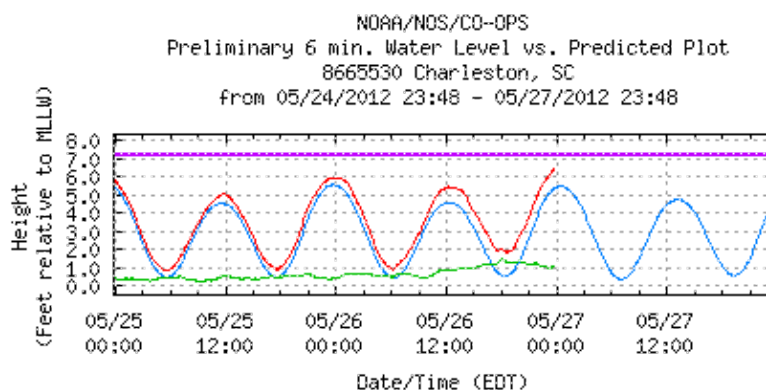


barometric pressure —

Last Observed Sample: 05/26/2012 23:42 (EDT)

Barometric Pressure: 1016.8 mb

Charleston, SC - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

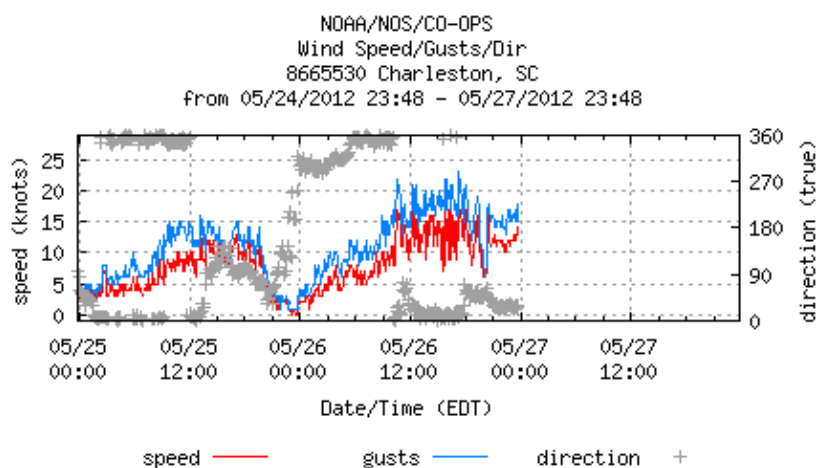
HAT —

Last Observed Sample: 05/26/2012 23:42 (EDT)

Relative to MLLW: **Observed: 6.43 ft.** **Predicted: 5.33 ft.** **Residual: 1.10 ft.**

Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

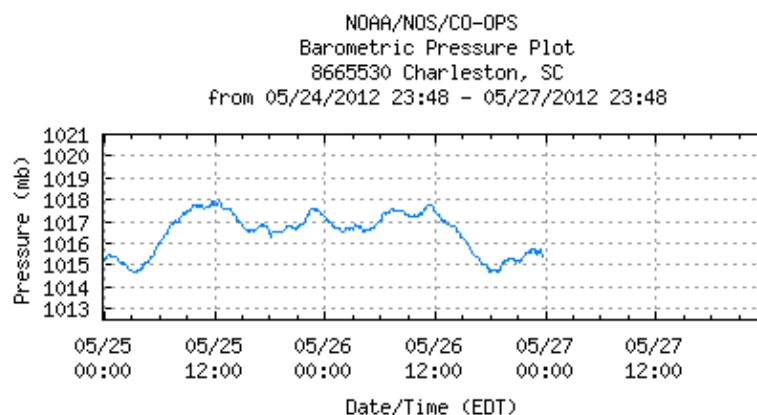
[Charleston, SC - Return to List](#)



Last Observed Sample: 05/26/2012 23:42 (EDT)

Wind Speed: 13 knots Gusts: 15 knots Direction: 25° T

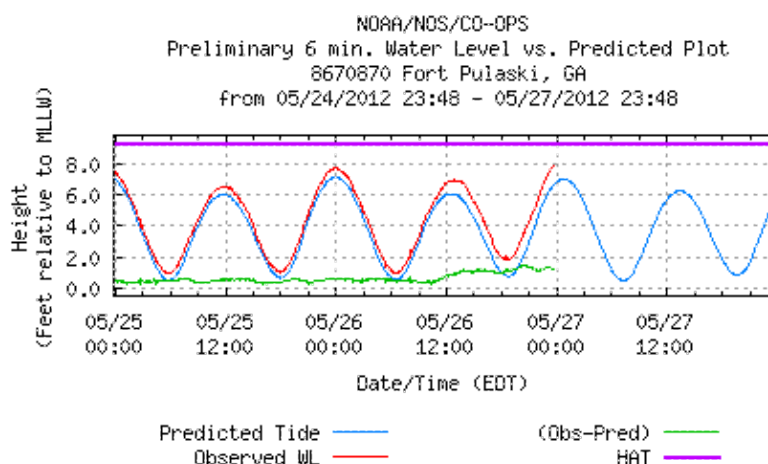
[Charleston, SC - Return to List](#)



Last Observed Sample: 05/26/2012 23:42 (EDT)

Barometric Pressure: 1015.4 mb

Fort Pulaski, GA - Return to List

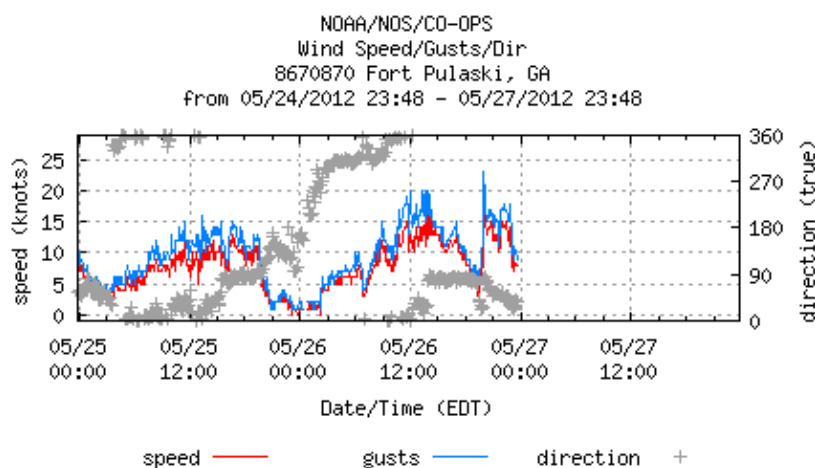


Last Observed Sample: 05/26/2012 23:36 (EDT)

Relative to MLLW: **Observed: 7.82 ft.** **Predicted: 6.58 ft.** **Residual: 1.24 ft.**

Historical Maximum Water Level: Oct 15 1947, 3.4 ft. above MHHW

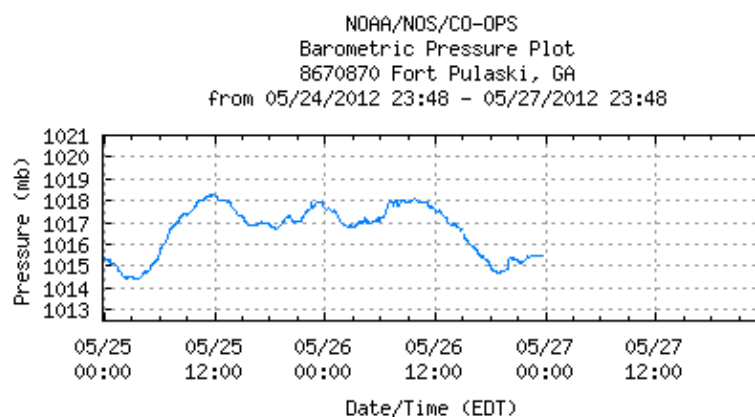
Fort Pulaski, GA - Return to List



Last Observed Sample: 05/26/2012 23:36 (EDT)

Wind Speed: 8 knots **Gusts: 9 knots** **Direction: 38° T**

Fort Pulaski, GA - Return to List

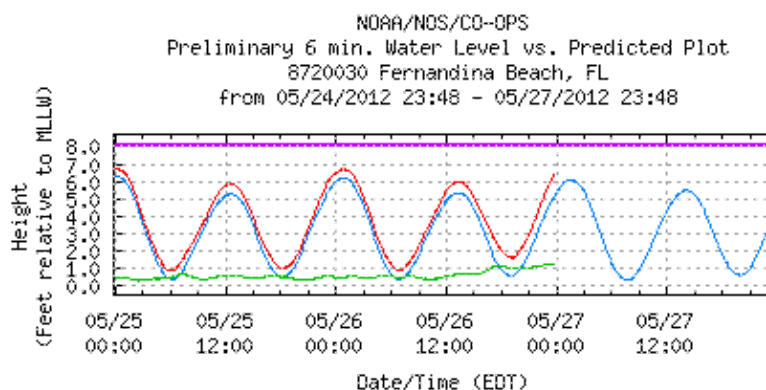


barometric pressure —

Last Observed Sample: 05/26/2012 23:36 (EDT)

Barometric Pressure: 1015.5 mb

Fernandina Beach, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

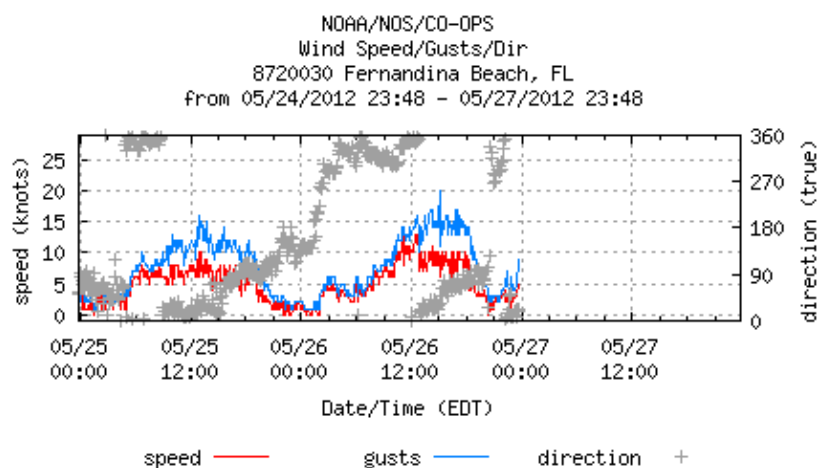
HAT —

Last Observed Sample: 05/26/2012 23:42 (EDT)

Relative to MLLW: **Observed: 6.41 ft.** **Predicted: 5.12 ft.** **Residual: 1.29 ft.**

Historical Maximum Water Level: Oct 2 1898, 6.94 ft. above MHHW

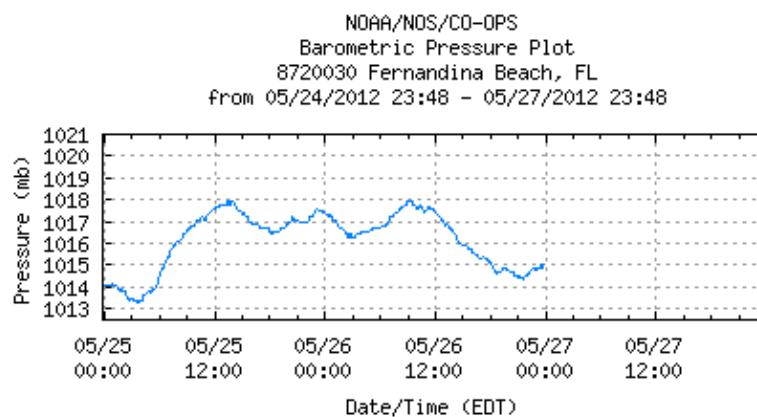
[Fernandina Beach, FL - Return to List](#)



Last Observed Sample: 05/26/2012 23:42 (EDT)

Wind Speed: 5 knots Gusts: 7 knots Direction: 19° T

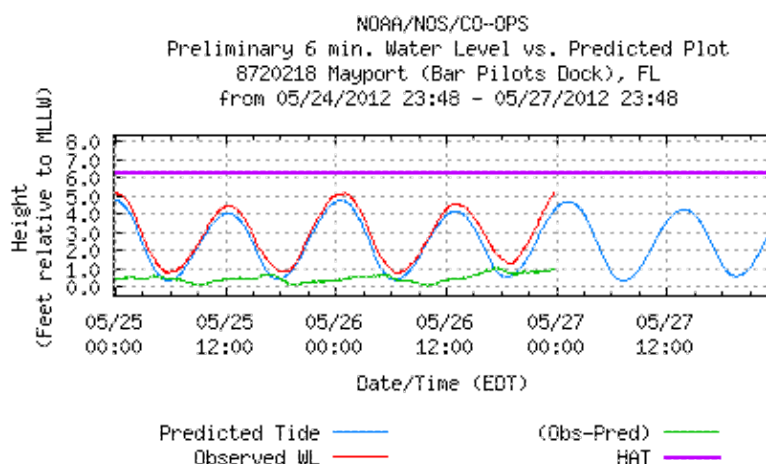
[Fernandina Beach, FL - Return to List](#)



Last Observed Sample: 05/26/2012 23:42 (EDT)

Barometric Pressure: 1014.9 mb

Mayport (Bar Pilots Dock), FL - Return to List

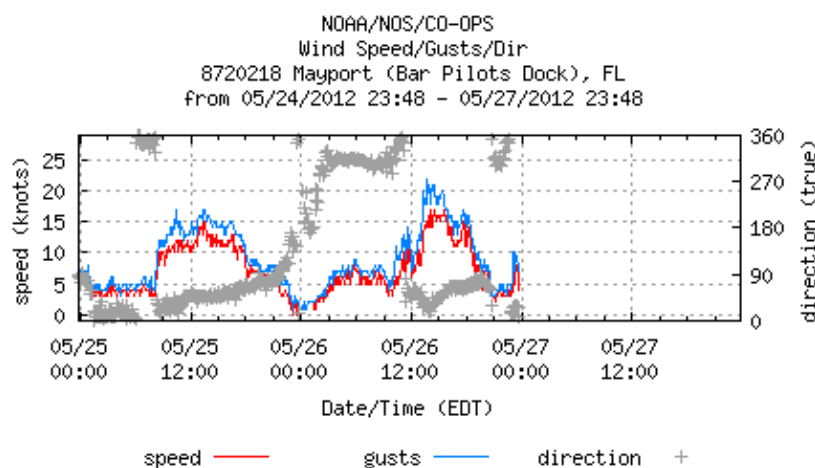


Last Observed Sample: 05/26/2012 23:42 (EDT)

Relative to MLLW: **Observed: 5.12 ft.** **Predicted: 4.17 ft.** **Residual: 0.95 ft.**

Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

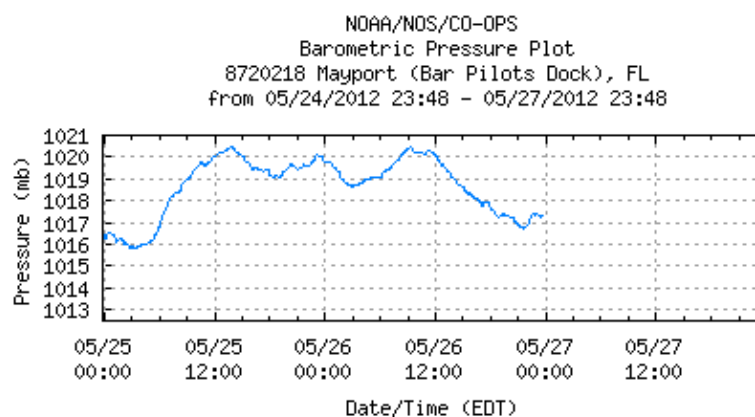
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 05/26/2012 23:42 (EDT)

Wind Speed: 4 knots **Gusts: 7 knots** **Direction: 6° T**

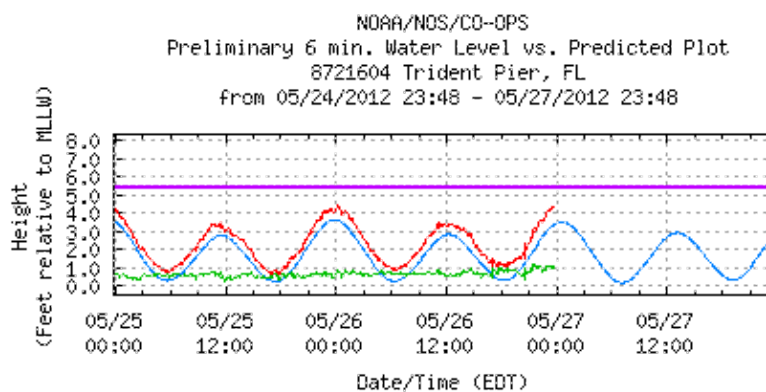
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 05/26/2012 23:42 (EDT)

Barometric Pressure: 1017.3 mb

Trident Pier, FL - Return to List

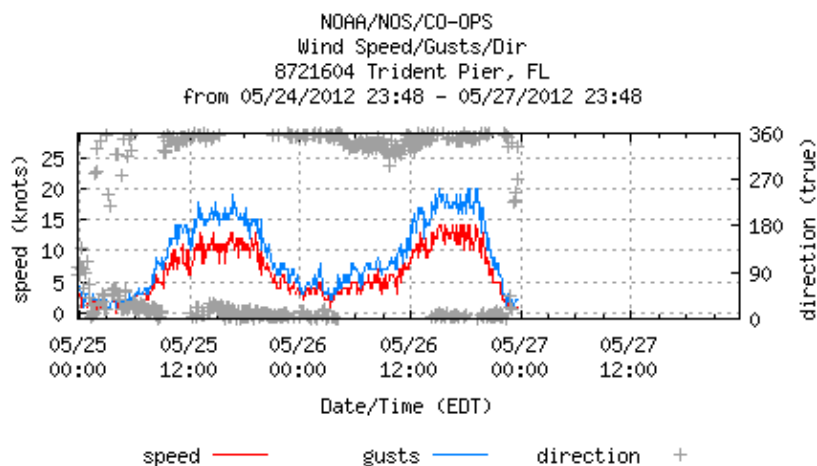


Last Observed Sample: 05/26/2012 23:42 (EDT)

Relative to MLLW: **Observed: 4.36 ft.** **Predicted: 3.36 ft.** **Residual: 1.00 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

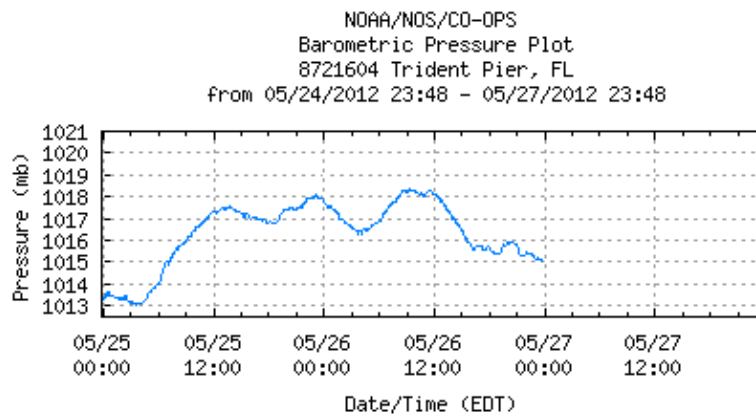
[Trident Pier, FL - Return to List](#)



Last Observed Sample: 05/26/2012 23:42 (EDT)

Wind Speed: 1 knots Gusts: 2 knots Direction: 335° T

[Trident Pier, FL - Return to List](#)



Last Observed Sample: 05/26/2012 23:42 (EDT)

Barometric Pressure: 1015.1 mb

Subtropical Storm BERYL QuickLook, POSTED 00:00 EDT 05/27/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce